






**SOUNDING COLOR LEGEND**

	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	DEPTHS AT OR BELOW PROJECT DEPTH
	PROJECT DEPTH

LEGEND OF SYMBOLS	
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
⊙ 417	CHANNEL CORNER
⊙ H.L.F.	HARBOR LINE CORNER
— — — — —	FEDERAL CHANNEL
— — — — —	HARBOR LINE
— — — — —	SUBMARINE CABLE
	CAN BUOY
	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCLUDING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) OHIO STATE PLANE COORDINATE SYSTEM-NORTH ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS SHOWN REPRESENT THE SHOALEST SOUNDING SORTED FROM FULL MULTIBEAM COVERAGE USING A 50'X25' HYPACK MATRIX.
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. BANNING AND PARTY ON JUNE 15, 2021 USING:  
GPS BASE STATION W/RTK TIDES  
SONAR HEAD: 200 KHZ, R2 SONIC 2024 MULTIBEAM  
1:5 DEGREE BEAMS 160 DEGREE ARC  
HEAVE PITCH AND ROLL: APPLANIX POS-MV VER. 5  
VELOCITY PROFILER: SONTEK CASTAWAY  
HYPACK SURVEY SOFTWARE  
SURVEY LAUNCH "WITMER"
6. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME. .
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.

CHANNEL CORNERS		COORDINATES
POINT	NORTHING	EASTING
422A	642763.32	2004654.78
423A	642657.44	2004548.85
425A	641908.30	2005399.66
426	642544.86	2005280.22
426	642057.30	2005230.23
428A	642130.13	2005628.12
428	642156.17	2005716.50
427A	641907.33	2005628.02
427	641906.16	2005752.08
440	641881.15	2005776.28
439	641881.51	2005876.34
438	641881.11	2005916.99
430A	642156.01	2006219.88
435A	641905.99	2006312.30
433A	642112.38	2006518.69
432A	643199.20	2006251.75
431A	643200.17	2006551.91
441	640904.73	2005846.51
442	640925.61	2005747.10
444	640735.53	2005670.41
443	640735.57	2005671.03
446	640534.57	2005561.57
445	640492.43	2005652.47
447	640397.21	2005615.33
448	640412.36	2005513.89
450	640250.62	2005526.15
449	640269.89	2005625.01
451	640096.71	2005713.04
452	639935.05	2005713.19
454	639935.05	2005730.17
453	640015.38	2005791.60
456	639814.85	2005948.61
455	639915.45	2005974.18
458	639836.79	2006925.10
457	639936.77	2006922.86
459	639904.97	2007041.41
460	639922.52	2007041.51
462	639765.36	2007131.98
461	639832.02	2007176.93
464	639660.85	2007257.97
463	639679.43	2007360.86

Original sheet size = ANSI D

**Maintenance Section**

U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
BUFFALO, NEW YORK 14207-3199

CONDITIONS SOUNDING

SCALE: 1"=200'

Sheet  
reference  
number  
**VH-101**  
Sheet 1 of 1

